

Record of Line-item Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: [China](#)

Global Technical Committee: [Information & Control](#)

TC Chapter Cochairs: [Xianfeng Ding/ONEWO](#), [Lingzhi Lv/FA Software](#), [Clare Liu/Kxware](#)

Standards Staff: [Sara Ma](#)

	Scheduled in Background Statement	Actual
Date	04/08/2025	04/08/2025
Location	Shanghai, China	Shanghai, China
Reason for Change of Date and/or Location (if changed)		

Note: See [Regulations ¶ 9.5](#) Exceptions for allowable reason to change.

[Document Information](#)

I. Document Number, Title, Lists of Line Items

Document Number 7139		Document Title LINE ITEM REVISIONS TO SEMI E40-0324, SPECIFICATION FOR PROCESSING MANAGEMENT AND E40.1-1218 (REAPPROVED 0324), SPECIFICATION FOR SECS-II PROTOCOL FOR PROCESSING MANAGEMENT
List of Line Items	Line Item 1	Line Item Title <ul style="list-style-type: none">Line Item #1:<ul style="list-style-type: none">In section 3, added SEMI E90 in reference.In Table 2, added definition for new attributes PRProcessedMtlList, PRUnprocessedMtlList and PRFailedMtlListIn Section 13.3, added additional capability requirement state for reporting material process state data.In Table 23, added requirement for Material Process Stata Data.In E40.1 Table 26, added SECS-II attribute definitions for PRProcessedMtlList, PRUnprocessedMtlList and PRFailedMtlList
	Line Item 2	Line Item Title XXXXX
	Line Item 3	Line Item Title XXXXX
	Line Item 4	Line Item Title XXXXX

	Line Item 5	Line Item Title XXXXX
	Line Item 6	Line Item Title XXXXX
	Line Item 7	Line Item Title XXXXX
	Line Item 8	Line Item Title XXXXX
	Line Item 9	Line Item Title XXXXX
	Line Item 10	Line Item Title XXXXX

Line Item 1 Adjudication

II. Tally

Standards staff to fill in.

Voting Tally: **As-cast tally after close of voting period**

Note: A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. (*Regulations ¶ 9.6.2.1.1*)

Voting Tally (with example values):

Voting Interest:	Returned Vote		Distributio		Return Rate	
Letter Ballot	60	÷	96	=	62.5%	≥60%
Intercommittee Ballot	32					
Voting Interest Reject(s)	1		Total Voters with Rejects		1	
Voting Interest Accept(s)	50					

Note: See *Regulations § 3.2.1* for definition of Voting Interest.

III. Rejects

Voting Interest Reject 1 (Voting Interest Name: **The PEER Group**)

Voter Reject 1 (Voter: **Albert Fuchigami, The PEER Group**)

Negative 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.
		Line Item# 1-b
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.

		<p>REJECT - Table 1 - PRProcessedMtrlList Definition - SEMI E90 objects can be used by multiple process jobs. If this attribute is meant to indicate substrates that were processed successfully by this job, this attribute will not correctly represent it. For example, consider Substrate1 that is used by PJA and PJB. PJA processes Substrate1. An implementation keeps Substrate1 in the NEEDS PROCESSING state because PJB will use it. PJA's PRProcessedMtrlList will not include Substrate1. Also, PJA's PRUnprocessedMtrlList will include Substrate1, even though it was processed by PJA. Same issues will apply to other MtrlList attributes proposed. Comment #1 - Table 1 - PRProcessedMtrlList - Definition states 'For equipment not supporting E90, the state criteria is equipment design dependent and it must be documented. This is not clear. Is it trying to say the equipment defines what constitutes processed material? Similar clarifications for the other new attributes related to MtrlList are required. Also, 'criteria is' is missing a space. Comment #2 - Refer to attached document for other clarifications to the proposed changes. (Don't use term 'see', don't describe SECS-II structure referenced in SEMI E40.1)</p>		
TF input (optional)				
Withdrawal (check one)		X	No Negative withdrawal made by Voter.	GO TO "Related" subsection
			Withdrawal document received by Standards staff on MM/DD/YYYY.	GO TO "Final" subsection → (A)
Related	Motion and Reason (check one)	X	'Related' is mutually agreed upon. (Needs no motion.) GO TO "Persuasive" subsection	
			Negative is not related. (Needs ≥2/3 votes to pass.)	
			Reason	XXXX
	Motion by/ 2 nd by	Name (Company)/Name (Company)		
	Discussion			
	Result of Vote (check one)	XX Y-XX N; Motion passed/failed.		
			[Negative is not related.] < 2/3	GO TO "Persuasive" subsection
		2/3 ≤ [Negative is not related.]	GO TO "Final" subsection → (B)	
Motion and Reason	X	Negative is related and persuasive. (Needs >1/3 votes to pass.)		

Persuasive	(check one)		Negative is related and not persuasive. (Needs $\geq 2/3$ votes to pass.)																										
			Reason	XXXX																									
	Motion by/ 2 nd by		Xingya Yu(AMIES)/Qiulong Zhu (AMEC)																										
	Discussion																												
	Result of Vote (check one)		<div> <div>23 Y-0 N; Motion passed</div> <table border="1"> <tr> <td>X</td> <td>[Negative is related and persuasive.] > 1/3</td> <td rowspan="2">Is a technical change recommended? (check one)</td> <td>X</td> <td>Y</td> <td>GO TO "Address by Technical Change Option" subsection</td> </tr> <tr> <td></td> <td>[Negative is related and not persuasive.] < 2/3</td> <td></td> <td>N</td> <td>GO TO "Final" subsection → (E)</td> </tr> <tr> <td></td> <td>$2/3 \leq$ [Negative is related and not persuasive.] < 90%</td> <td colspan="4">GO TO "Final" subsection → (C)</td> </tr> <tr> <td></td> <td>$90\% \leq$ [Negative is related and not persuasive.]</td> <td colspan="4">GO TO "Not Significant Finding Option" subsection</td> </tr> </table> </div>					X	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	X	Y	GO TO "Address by Technical Change Option" subsection		[Negative is related and not persuasive.] < 2/3		N	GO TO "Final" subsection → (E)		$2/3 \leq$ [Negative is related and not persuasive.] < 90%	GO TO "Final" subsection → (C)					$90\% \leq$ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection		
X	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	X	Y	GO TO "Address by Technical Change Option" subsection																								
	[Negative is related and not persuasive.] < 2/3			N	GO TO "Final" subsection → (E)																								
	$2/3 \leq$ [Negative is related and not persuasive.] < 90%	GO TO "Final" subsection → (C)																											
	$90\% \leq$ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection																											
Address by Technical Change Option	Technical Change Recommendations Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.																												
	Technical Changes	1	FROM: Section/Paragraph Table 2 Process Job Attributes/ PRProcessedMtlList Definition List of processed materials: For equipment supporting E90, processed state material refers to material with E90 PROCESSED state. (Refer SEMI E90 9.3). This state is used on the independent PRJob. For equipment not supporting E90, the state criteria is equipment design dependent and it must be documented.																										
			TO: Section/Paragraph Table 2 Process Job Attributes/ PRProcessedMtlList Definition List of identifiers of the material in this process job that started processing and completed processing successfully. Definition of processing successfully is implementation specific.																										
			Justification (If necessary) In order to cover the use cases that one substrate associated with multiple Process Jobs, it is necessary to decouple the status with E90 Processing state of the material.																										
	2	FROM: Section/Paragraph Table 2 Process Job Attributes/ PRUnprocessedMtlList Definition List of unprocessed materials: For equipment supporting E90, unprocessed state material refers to material with E90 NEEDS PROCESSING and SKIPPED state. (Refer SEMI E90 9.3). This state is used on the independent PRJob. For equipment not supporting E90, the state criteria is equipment design dependent and it must be documented.																											

3	TO: Section/Paragraph Table 2 Process Job Attributes/ PRUnprocessedMtlList Definition		
	List of identifiers of the material in this process job that have not started processing.		
	Justification (If necessary) In order to cover the use cases that one substrate associated with multiple Process Jobs, it is necessary to decouple the status with E90 Processing state of the material.		
	FROM: Section/Paragraph Table 2 Process Job Attributes/ PRFailedMtlList Definition		
3	List of failed materials:		
	For equipment supporting E90, failed state material refers to material with E90 ABORTED, REJECTED, LOST and STOPPED. (Refer SEMI E90 9.3). This state is used on the independent PRJob.		
	For equipment not supporting E90, the state criteria is equipment design dependent and it must be documented.		
	TO: Section/Paragraph Table 2 Process Job Attributes/ PRFailedMtlList Definition		
	List of identifiers of the material in this process job that started processing and were not processed successfully.		
	Definition of not processed successfully is implementation specific.		
	Justification (If necessary) In order to cover the use cases that one substrate associated with multiple Process Jobs, it is necessary to decouple the status with E90 Processing state of the material.		
4	FROM: Section/Paragraph		
	3 Referenced Standards and Documents		
	SEMI E90 — Specification for Substrate Tracking		
	TO: Section/Paragraph		
	SEMI E90 — Specification for Substrate Tracking		
	Justification (If necessary) No reference for E90 is needed after technical changes.		
Motion		Negative is addressed by the technical change(s).	
Motion by/2 nd by		Xingya Yu(AMIES)/Qiulong Zhu (AMEC)	
Discussion			
Result of Vote (check one)	23 Y-0 N; Motion passed		
	X	2/3 ≤ [Negative is addressed by the technical change(s).]	GO TO “Incorporation of the Technical Change” subsection
		[Negative is not addressed by the technical change(s).] < 2/3	GO TO “Final” subsection → (E)
Incorporator	Motion	To incorporate the technical change(s).	
	Motion by/2 nd by	Xingya Yu(AMIES)/Qiulong Zhu (AMEC)	

	Discussion				
	Result of Vote (check one)		23 Y-0 N; Motion passed		
		X	90% ≤ [Agree to incorporate.]	GO TO “Final” subsection → (F)	
			[Disagree to incorporate.] > 10%	GO TO “Final” subsection → (E)	
Not Significant Finding Option	This option can be used only “if the TC Chapter finds a Negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action”. (Regulations ¶ 9.6.1.4.5.2)				
	Use of “Not significant finding option” (check one)		It is mutually agreed upon to term the Negative “not significant”.	GO TO “Final” subsection → (D)	
			It is mutually agreed upon to term the Negative “significant”.	GO TO “Final” subsection → (C)	
			Whether or not the Negative is “not significant” is decided by a vote.		
	Motion	The Negative is “not significant”.			
	Motion by/ 2 nd by	Name (Company)/Name (Company)			
	Vote		XX Y-XX N; Motion passed with simple majority	GO TO “Final” subsection → (D)	
		XX Y-XX N; Motion failed with simple majority	GO TO “Final” subsection → (C)		
Final	(check if applicable)		(A)	Withdrawn (counted under h in disposition)	
			(B)	Not related (counted under i in disposition)	
			(C)	Related and not persuasive (significant)	
			(D)	Not significant (counted under j in disposition)	
			(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
		X	(F)	Addressed by technical change (counted under k disposition)	
	(check if applicable)		Comment generated. See Section V-(ii) Comment # X.		

Disposition of Voting Interest Reject 1

Check only when the Document has not been failed.

1	Original number (#) of Negatives	(g)	
#	Number of Negatives withdrawn	(h)	
#	Number of Negatives found not related	(i)	
#	Number of Negatives found not significant	(j)	
1	Number of Negatives addressed by technical change (Negative becomes not significant)	(k)	
Final	X	$g - (h + i + j + k) = 0$	Reject is Not Valid and is not included in the denominator of § VI. Approval Conditions Check
		$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. Approval Conditions Check
		Reject without a Negative	Not Valid

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (*Regulations* ¶ 9.4.3.3)

Note: A Negative addressed by a technical change is automatically considered to be not significant. (*Regulations* ¶ 9.6.1.4.5.2)

IV. Other Technical Issues

None

V. Comments

V- (i) Voters' Comments

Commenter 1 (**Franz Putz/znt AG Institut Burghausen**) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	Typo in line item #1-b For equipment not supporting E90, the state "criteriais" equipment design dependent and it must be documented.	
Action	The TC Chapter agreed to do one of the following actions.	
	*No motion is required in this step.	
	<input type="checkbox"/>	Already addressed by Commenter #, Comment #
	<input checked="" type="checkbox"/>	No further action was taken by the TC Chapter.
	<input type="checkbox"/>	Refer to the TF for more consideration.
	<input type="checkbox"/>	New Business
	<input type="checkbox"/>	Editorial Change
	Options for editorial change (check one)	<input checked="" type="checkbox"/> Case 1: No vote in this section: To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.
		Case 2: Voted in this section:
		Original section number and at least one full sentence are required in "FROM" and "TO" fields.
Editorial Changes	1	FROM: Section/Paragraph xxx
		TO: Section/Paragraph xxx
		Justification (If necessary) Typo was removed after technical change for handling Negative#1
Motion		To approve above editorial change(s)
Motion by/2 nd by		Name (Company)/Name (Company)
Discussion		XXXX
Vote		XX Y-XX N; Motion passed/failed.

This table is needed for each Comment accompanied a Vote

Commenter 2 (Tadashi Mochizuki/Tokyo Electron) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.		
	There is an error in the definition in Table 2 (criteriais -> criteria is).		
Action	The TC Chapter agreed to do one of the following actions.		
	*No motion is required in this step.		
	X	Already addressed by Commenter #1, Comment #1	
		No further action was taken by the TC Chapter.	
		Refer to the TF for more consideration.	
		New Business	
		Editorial Change	
	Options for editorial change (check one)	X	Case 1: No vote in this section: To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.
			Case 2: Voted in this section: Original section number and at least one full sentence are required in "FROM" and "TO" fields.
Editorial Changes	1	FROM: Section/Paragraph xxx	
		TO: Section/Paragraph xxx	
		Justification (If necessary) Typo was removed after technical change for handling Negative#1.	
Motion		To approve above editorial change(s)	
Motion by/2 nd by		Name (Company)/Name (Company)	
Discussion		XXXX	
Vote		XX Y-XX N; Motion passed/failed.	

Commenter 3 (Albert Fuchigami/The PEER Group) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.		
	Table 1 - PRProcessedMtrlList - Definition states 'For equipment not supporting E90, the state criteria is equipment design dependent and it must be document. This is not clear. Is it trying to say the equipment defines what constitutes processed material? Similiar clarifications for the other new attributes related to MtrlList are required. Also, 'crtieriais' is missing a space		
Acti	The TC Chapter agreed to do one of the following actions.		
	*No motion is required in this step.		

	<input checked="" type="checkbox"/>	Already addressed by Rejecter# 1 and Commenter1 #1
	<input type="checkbox"/>	No further action was taken by the TC Chapter.
	<input type="checkbox"/>	Refer to the TF for more consideration.
	<input type="checkbox"/>	New Business
	<input type="checkbox"/>	Editorial Change
	Options for editorial change (check one)	<input checked="" type="checkbox"/> Case 1: No vote in this section: To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.
		Case 2: Voted in this section: Original section number and at least one full sentence are required in "FROM" and "TO" fields.
Editorial Changes	1	FROM: Section/Paragraph xxx
		TO: Section/Paragraph xxx
		Justification (If necessary) Technical change for handling Nageitive#1 addressed the concerns in this comment.
Motion		To approve above editorial change(s)
Motion by/2 nd by		Name (Company)/Name (Company)
Discussion		XXXX
Vote		XX Y-XX N; Motion passed/failed.

Commenter 3 (Albert Fuchigami/The PEER Group) - Comment 2

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	Refer to attached document for other clarifications to the proposed changes. (Don't use term 'see', don't describe SECS-II structure referenced in SEMI E40.1)	
Action	The TC Chapter agreed to do one of the following actions.	
	*No motion is required in this step.	
	<input type="checkbox"/>	Already addressed by Commenter #, Comment #
	<input type="checkbox"/>	No further action was taken by the TC Chapter.
	<input type="checkbox"/>	Refer to the TF for more consideration.
	<input type="checkbox"/>	New Business
	<input checked="" type="checkbox"/>	Editorial Change
	Options for editorial change (check one)	<input checked="" type="checkbox"/> Case 1: No vote in this section: To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.
	Case 2: Voted in this section: Original section number and at least one full sentence are required in "FROM" and "TO" fields.	

Editorial Changes	1	FROM: Section/Paragraph E40 Table 2, Form statements of new attributes PRProcessedMtlList, PRUnprocessedMtlList and PRFailedMtlList
		<u>The format of the structure is specified in the implementation standard used. The SECS-II structure format is specified in SEMI E40.1.</u>
		TO: Section/Paragraph xxx The format of the structure is specified in the implementation standard used. The SECS-II structure format is specified in SEMI E40.1.
		Justification (If necessary) According to SEMI Regulation 8.9.5
		8.9.5 <i>Editorial Change Types</i> — Editorial changes are of two types: <ul style="list-style-type: none">• Type 1: minor changes (i.e., corrections of obvious misspelling, formatting to comply with the <i>Style Manual</i>, capitalization, italics, incorrect spacing, missing period at end of sentence, updating outdated titles in the Related Documents section); and• Type 2: those that introduce no change in technical content (e.g., changes to nontechnical information; insubstantial changes to existing Supplementary Materials; changes that reduce ambiguity; changes to eliminate an obvious technical content inconsistency; changes to replace a biased term with an approved, alternative, bias free term; changes to correct or add/delete punctuation; updating outdated titles in the Referenced Standards and Documents section; adding/deleting/changing Notes or footnotes). <p>As the comments stated, normally in the standard do not describe SECS-II referred in subordinate standard. This statement is not consist with the standard style. To remove the statement to keep standard style consistent is considered as a Type 3 editorial change, specifically as “changes to eliminate an obvious technical content inconsistency”,.</p>
Motion		To approve above editorial change(s)
Motion by/2nd by		Name (Company)/Name (Company)
Discussion		XXXX
Vote		XX Y-XX N; Motion passed/failed.

V-(ii) Comments Created by Handling Negative None

VI. Editorial Changes Other than Those Voted on in § V None

VII. Approval Conditions Check

VII. - (i). Approval Rate

APPROVAL CONDITION 1: All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a technical change. (*Regulations ¶ 9.6.2.1.2*)

APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (*Regulations ¶ 9.6.2.1.3*)

Note: If both approval conditions are not satisfied, the Document fails.

		Accepts		(Accepts + Valid Rejects)					
Approval Rate	=	50	/	50	=	100.0%		≥90%	

VII. – (ii) Approval Level (check one)

Note: See *Regulations* § 9.6.2 for further information.

☐

Globally Approved (No Ratification Ballot needed):

Line Item 1 meets the Letter Ballot approval conditions for the global technical committee.

☒

Need a Ratification Ballot:

Line Item 1 meets the Letter Ballot approval conditions for the TC Chapter and a Ratification Ballot will be issued to validate technical changes.

Checks for Entire Document Including All Approved Line Items

VIII. Safety Check

Note: This Safety check applies to the entire Standard or Safety Guideline including all the approved Line Items. See § 15 of the *Regulations* for further information.

Motion	X	This is not a Safety Document, when all safety-related information is removed, the Document is still technically sound and complete. (<i>Regulations</i> ¶ 8.7.1)
		This is a Safety Document, when all safety-related information is removed, the Document is not technically sound and complete. (<i>Regulations</i> ¶ 8.7.2)
		Safety Checklist (<i>Regulations</i> ¶ 15.3) is complete and has been included with the Document throughout the balloting process. (<i>Regulations</i> ¶ 15.1.2)
Motion by/2 nd by		Qiulong Zhu(AMEC)/Kaijun Zhang (AMIES)
Discussion		XXXX
Vote		23 Y-0 N; Motion passed or failed

IX. Intellectual Property (IP) Check

Note: This Letter Ballot may cover all or part of a Standard or Safety Guideline. Regardless of the coverage, this IP check applies to the entire Standard or Safety Guideline including all the approved Line Items*. See *Regulations* § 16 for further information.

x	The TC Chapter meeting chair asked those participating, if they were aware of any patented technology that might be relevant (see <i>Regulations</i> ¶ 16.3.1.1) to the Standard or Safety Guideline; or, any copyrighted items or trademarks that are used/reproduced (see <i>Regulations</i> ¶ 16.4.1.2) in the Standard or Safety Guideline. (Also see, <i>Regulations</i> § 8.8)				
	X	The question is NOT answered in affirmative (No potentially material patented technology or use/reproduction of copyrighted items/trademarks is known.)	GO TO SECTION X.		
		The question is answered in affirmative	Is any of the known IPs a patented technology?	Yes, at least one of them is a patented technology	GO TO IX (a) "Patented Technology" subsection
				No	GO TO IX (b) "Copyright items" subsection

IX(a) Patented Technologies subsection

IX(a1) Total numbers of Patented Technologies to be dealt with

# Fill number	(l) Known Patented Technology that might be relevant to	# Fill number	(m) Number of patented technologies first became known to the TC Chapter on or after the day of the issuance of this Letter Ballot	Postpone assessment of such patented technologies to be performed at the next scheduled TC Chapter meeting.
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	the Standard/Safety Guideline	# Fill number	(n) Number of patented technologies first became known to the TC Chapter before the day of the issuance of this Letter Ballot	GO TO IX (a2)
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IX(a2) Assessment of disclosed patented technologies

Disclosed patented technology #1 (Brief description, e.g., patent title and number):			Date of Assessment (If different from the date of Letter Ballot adjudication) MM/DD/YYYY		
Is disclosed patented technology #1 found to be "might be material" to the Standard/Safety Guideline?		YES (It is a PMPT)	Is the use of this PMPT technically justified?	YES	PROCEED to assess NEXT one, or if this is the last one, GO TO IX(a3)
				NO	The Document is failed and returned to the TF
		NO	No further action is needed for patented technology #1		

This table is needed for each disclosed patented technology.

IX(a3) LOA status check of PMPT of which inclusion assessed to be justified

LOA Status of PMPT #1					
Has an LOA for this patented technology been received from every owner ?		YES	PROCEED to check NEXT one, or if this is the last one, GO TO IX(b)		
		NO	MOTION	Ask ISC for special permission to publish.	
				Quit activity.	The Document is failed and returned to the TF
				Wait for LOA	PROCEED to check NEXT one, or if this is the last one, GO TO IX(b1)
			Motion by/ 2 nd by		Name (Company)/Name (Company)
			Discussion		XXXX
			Vote		XX Y-XX N; Motion passed (or failed)

This table is needed for each PMPT of which inclusion assessed to be justified.

IX(b1) Total numbers of copyrighted items to be dealt with

# Fill number	(o) Known copyrighted items that are used or reproduced to the Standard/Safety Guideline	o > 0 There is at least one known copy righted items that might be relevant to the Standard/Safety Guideline	GO TO IX (b2)
		o = 0 There is no disclosed copyrighted item	GO TO IX (c)

IX(b2) Assessment of disclosed copyrighted items

Disclosed copyrighted item #1 (Brief description of its use in the Document):					
Is disclosed copyrighted item #1 used or reproduced in the Standard/Safety Guideline?		YES	Is the use/reproduction of this copyrighted item technically justified?	YES	PROCEED to assess NEXT one, or if this is the last one GO TO IX(b3)
				NO	The Document is failed and returned to the TF
		NO	No further action is needed for copyrighted item #1		

This table is needed for each disclosed copyrighted item.

IX(b3) Copyright release status check of copyrighted item of which inclusion assessed to be justified

Copyright release Status of copyrighted item #1					
Has the copyright release been received from its owner ?.		YES	PROCEED to assess NEXT one, or if this is the last one, GO TO IX(c)		
		NO	MOTION	Ask ISC for special permission to publish.	
				Quit activity.	The Document is failed and returned to the TF
				Wait for copyright release letter	PROCEED to check NEXT one, or if this is the last one, GO TO IX(c)
			Motion by/ 2 nd by		Name (Company)/Name (Company)
			Discussion		XXXX
			Vote		XX Y-XX N; Motion passed (or failed)

This table is needed for each copyrighted item of which use/reproduction assessed to be justified.

IX(c) Assessment of disclosed (identified) trademark

Is there any trademark in the Standard/Safety Guideline?		YES	Is every instance of trademark use technically justified?	YES	GO TO IX(d)
				NO	The Document is failed and returned to the TF
		NO	GO TO IX(d)		

IX(d) IP check completion condition check

The co-chair checks if any Patented Technologies first become known to the TC Chapter on or after the day of the issuance of this Letter Ballot? i.e., m>0 in IX(a1)		YES	Sections IX(a2) and IX(a3) shall be completed and recorded for such patented technologies at next scheduled meeting of the TC Chapter. Until then, the TC Chapter shall NOT go to X (making motion to pass/fail this Document) (see Regulations ¶ 16.4.1.2) Until then this Letter Ballot Review is on hold.
		NO	GO TO X

X. Action for This Document

Motion (Check all applicable items)		Line item(s) [X], [X] and [X] passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
		Line item(s) [X], [X] and [X] passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.
	X	Line item(s) [1] passed TC Chapter review with technical changes and with or without editorial changes and will be forwarded to the ISC A&R SC for procedural review. A Ratification Ballot will be issued to verify the technical changes.
		Line item(s) [X], [X] and [X] failed TC Chapter review and will be returned to the TF for rework.
		Line item(s) [X], [X] and [X] failed TC Chapter review and work will be discontinued.
Motion by/ 2nd by		Qiulong Zhu(AMEC)/Kaijun Zhang (AMIES)
Discussion		None
Vote		23 Y-0 N
Final Action	X	Motion passed
		Motion failed

Note: If the use of PMPT or copyrighted item is justified by the TC Chapter, LOA or release form must be received before publication can proceed.